



RAW SEQUENCE LISTING ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number:

09/885,914 A

Source:

DIPE

Date Processed by STIC:

1/28/04

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT MARK SPENCER, TELEPHONE: 703-308-4212; FAX: 703-308-4221

Effective 12/13/03: TELEPHONE: 571-272-2510; FAX: 571-273-0221

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 4.1 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

<http://www.uspto.gov/web/offices/pac/checker/chkr41note.htm>

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<<http://www.uspto.gov/ebc/efs/downloads/documents.htm>> , EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450
3. Hand Carry directly to (EFFECTIVE 12/01/03):
U.S. Patent and Trademark Office, Box Sequence, Customer Window, Lobby, Room 1B03, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202
4. Federal Express, United Parcel Service, or other delivery service to: U.S. Patent and Trademark Office, Box Sequence, Room 1B03-Mailroom, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202

Revised 10/08/03

Raw Sequence Listing Error Summary

ERROR DETECTED

SUGGESTED CORRECTION

SERIAL NUMBER:

09/885,914A

ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE

- 1 ☐ **Wrapped Nucleics
Wrapped Aminos** The number/text at the end of each line "wrapped" down to the next line. This may occur if your file was retrieved in a word processor after creating it. Please adjust your right margin to .3; this will prevent "wrapping."
- 2 ☐ **Invalid Line Length** The rules require that a line not exceed 72 characters in length. This includes white spaces.
- 3 ☐ **Misaligned Amino
Numbering** The numbering under each 5th amino acid is misaligned. Do not use tab codes between numbers; use space characters, instead.
- 4 ☐ **Non-ASCII** The submitted file was not saved in ASCII(DOS) text, as required by the Sequence Rules. Please ensure your subsequent submission is saved in ASCII text.
- 5 ☐ **Variable Length** Sequence(s) _____ contain n's or Xaa's representing more than one residue. Per Sequence Rules, each n or Xaa can only represent a single residue. Please present the maximum number of each residue having variable length and indicate in the <220>-<223> section that some may be missing.
- 6 ☐ **PatentIn 2.0
"bug"** A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid sequences(s) _____. Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to the subsequent amino acid sequence. This applies to the mandatory <220>-<223> sections for Artificial or Unknown sequences.
- 7 ☐ **Skipped Sequences
(OLD RULES)** Sequence(s) _____ missing. If intentional, please insert the following lines for each skipped sequence:
(2) INFORMATION FOR SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)
(i) SEQUENCE CHARACTERISTICS: (Do not insert any subheadings under this heading)
(xi) SEQUENCE DESCRIPTION:SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)
This sequence is intentionally skipped

Please also adjust the "(ii) NUMBER OF SEQUENCES:" response to include the skipped sequences.
- 8 ☐ **Skipped Sequences
(NEW RULES)** Sequence(s) _____ missing. If intentional, please insert the following lines for each skipped sequence:
<210> sequence id number
<400> sequence id number
000
- 9 ☐ **Use of n's or Xaa's
(NEW RULES)** Use of n's and/or Xaa's have been detected in the Sequence Listing.
Per 1.823 of Sequence Rules, use of <220>-<223> is MANDATORY if n's or Xaa's are present.
In <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents.
- 10 ☐ **Invalid <213>
Response** Per 1.823 of Sequence Rules, the only valid <213> responses are: Unknown, Artificial Sequence, or scientific name (Genus/species). <220>-<223> section is required when <213> response is Unknown or is Artificial Sequence
- 11 ☒ **Use of <220>** Sequence(s) 2,3
Use of <220> to <223> is MANDATORY if <213> "Organism" response is "Artificial Sequence" or "Unknown." Please explain source of genetic material in <220> to <223> section.
(See "Federal Register," 06/01/1998, Vol. 63, No. 104, pp. 29631-32) (Sec. 1.823 of Sequence Rules)
- 12 ☐ **PatentIn 2.0
"bug"** Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing). Instead, please use "File Manager" or any other manual means to copy file to floppy disk.
- 13 ☐ **Misuse of n/Xaa** "n" can only represent a single nucleotide; "Xaa" can only represent a single amino acid



OIPe

RAW SEQUENCE LISTING

DATE: 01/28/2004

PATENT APPLICATION: US/09/885,914A

TIME: 09:50:15

Input Set : N:\DA\pto.da.txt

Output Set: N:\CRF4\01272004\I885914A.raw

3 <110> APPLICANT: DUBOIS, Claire
 5 <120> TITLE OF INVENTION: USE OF FURIN AND FURIN-LIKE PROTEASE INHIBITORS IN THE
 TREATMENT OF

6 INFLAMMATORY OR MATRIX REMODELLING DISEASES

8 <130> FILE REFERENCE: 85761-28

10 <140> CURRENT APPLICATION NUMBER: US 09/885,914A

11 <141> CURRENT FILING DATE: 2001-06-22

13 <150> PRIOR APPLICATION NUMBER: US 60/213,995

14 <151> PRIOR FILING DATE: 2000-06-26

16 <150> PRIOR APPLICATION NUMBER: CA 2,312,109

17 <151> PRIOR FILING DATE: 2000-06-23

19 <160> NUMBER OF SEQ ID NOS: 3

21 <170> SOFTWARE: PatentIn version 3.0

23 <210> SEQ ID NO: 1

24 <211> LENGTH: 4

25 <212> TYPE: PRT

26 <213> ORGANISM: Homo sapiens

28 <220> FEATURE:

29 <221> NAME/KEY: SITE

30 <222> LOCATION: (1)..(4)

31 <223> OTHER INFORMATION: Reactive site of alphas-antitrypsin

34 <400> SEQUENCE: 1

36 Ala Ile Pro Met

37 1

39 <210> SEQ ID NO: 2

40 <211> LENGTH: 4

41 <212> TYPE: PRT

42 <213> ORGANISM: Artificial Sequence

44 <220> FEATURE:

45 <221> NAME/KEY: MUTAGEN

46 <222> LOCATION: (1)..(1)

47 <223> OTHER INFORMATION: Variant of reactive site of alphas-antitrypsin in which
 Ala355 (position

48 1) has been replaced with Arg

51 <220> FEATURE:

52 <221> NAME/KEY: MUTAGEN

53 <222> LOCATION: (4)..(4)

54 <223> OTHER INFORMATION: Variant of reactive site of alphas-antitrypsin in which
 Met358 (position

55 4) has been replaced with Arg

58 <400> SEQUENCE: 2

60 Arg Ile Pro Arg

61 1

63 <210> SEQ ID NO: 3

Does Not Comply
 Corrected Diskette Needed
 (Pg. 1-3)

- please explain, see
 item #11 on error
 summary sheet.

64 <211> LENGTH: 4
65 <212> TYPE: PRT

RAW SEQUENCE LISTING

DATE: 01/28/2004

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TIME: 09:50:15

Input Set : N:\DA\pto.da.txt

Output Set: N:\CRF4\01272004\I885914A.raw

66 <213> ORGANISM: Artificial Sequence - Same error
68 <220> FEATURE:
69 <221> NAME/KEY: MOD_RES
70 <222> LOCATION: (1)..(1)
71 <223> OTHER INFORMATION: Arg at position 1 is modified at its amino group with a
decanoyl group
74 <220> FEATURE:
75 <221> NAME/KEY: MOD_RES
76 <222> LOCATION: (4)..(4)
77 <223> OTHER INFORMATION: Arg at position 4 is modified at its carboxyl group with a -
CH2Cl group
81 <400> SEQUENCE: 3
83 Arg Val Lys Arg
84 1

RAW SEQUENCE LISTING ERROR SUMMARY
PATENT APPLICATION: US/09/885,914A

DATE: 01/28/2004
TIME: 09:50:16

Input Set : N:\DA\pto.da.txt
Output Set: N:\CRF4\01272004\I885914A.raw

Invalid Line Length:

The rules require that a line not exceed 72 characters in length. This includes spaces.

Seq#:2; Line(s) 47,54

VERIFICATION SUMMARY

DATE: 01/28/2004

PATENT APPLICATION: US/09/885,914A

TIME: 09:50:16

Input Set : N:\DA\pto.da.txt

Output Set: N:\CRF4\01272004\I885914A.raw